

**Abstract**

An implantable component (30) of a cochlear implant system comprising a housing for a stimulator unit (31) that is adapted to output one or more stimulation signals and an electrode assembly (30) adapted to apply electrical stimulation in accordance with the output of the stimulator unit (31). On implantation, the housing is positionable such that the electrode assembly (20) extends from the housing at least initially in a downward orientation toward the mastoid cavity before entering the cochlea. An external component (50, 60 or 70) of a cochlear implant system comprising a support for mounting to the ear of an recipient and an external signal transmitter coil (53) wherein the signal transmitter coil (53) is movably mounted to at least a portion of the support.